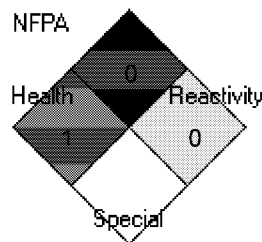


**MSDS - Material Safety Data Sheet****Product Name: PH Minus (SPA)****MSDS No.: 039935****Part Numbers Covered:**

039935

**I. Basic Information:**

**Manufacturer:** WILLIAM H. HARVEY COMPANY  
**Address:** 4334 SOUTH 67TH STREET  
**City, ST Zip:** OMAHA, NE 68117-1019

**Last Update:** 7/8/2002

**Chemical State:** ☐ Liquid ☐ Gas ☒ Solid

**Chemical Type:** ☐ Pure ☐ Mixture

1	Health
0	Flammability
0	Reactivity
A	Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
7631905	SODIUM BISULFITE	NI						1.2	1.2	NI
7681574	SODIUM METABISULFITE	NI						6	.6	NI

**III. Hazardous Identification:****Hazard Category:**

☐ Acute ☐ Chronic ☐ Fire ☐ Pressure ☐ Reactive

**Hazardous Identification Information:**

NDA

**IV. First Aid Measures:****Route(s) of Entry:**

SKIN CONTACT AND INHALATION

**Health Hazards (Acute and Chronic):**

ACUTE AND CHRONIC

**Signs and Symptoms:**

# MSDS - Material Safety Data Sheet

**Product Name:** *PH Minus (SPA)*

**MSDS No.:** 039935

EYES: MAY CAUSE MILD IRRITATION

SKIN: MAY CAUSE MILD IRRITATION

INHALATION: MAY CAUSE MILD IRRITATION, NAUSEA, VOMITING, DIARRHEA, SWELLING, BREATHING DIFFICULTY, UNCONSCIOUSNESS, CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. SYMPTOMS OF EARLY TO MODERATE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION INCLUDE GIDDINESS, DIZZINESS, CONFUSION, DRUNKEN BEHAVIOR, HEADACHE, NAUSEA, DIARRHEA, VOMITING, TIREDNESS AND DROWSINESS. IN EXTREME CASES, SYMPTOMS OF CNS DEPRESSION INCLUDE STUPOR, CONVULSIONS, UNCONSCIOUSNESS, COMA AND EVEN DEATH.

**Medical Conditions Generally Aggravated by Exposure:**

NONE CURRENTLY KNOWN

**Emergency and First Aid Procedures:**

EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE HOLDING EYELIDS APART TO ENSURE FLUSHING OF ENTIRE SURFACE. CALL A PHYSICIAN.

SKIN: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. THOROUGHLY CLEAN CLOTHING AND SHOES BEFORE REUSE. CALL A PHYSICIAN.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

**Other Health Warnings:**

NI

## V. Fire Fighting Measures:

**Flash Point:** NI

**Lower Explosive Limit:** NI

**Upper Explosive Limit:**

**Fire Extinguishing Media:** MEDIA APPROPRIATE FOR SURROUNDING FIRE

**Special Fire Fighting Procedures:**

PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE, AND PRODUCTS OF COMBUSTION. EVACUATE NON ESSENTIAL PERSONNEL. FIREFIGHTERS SHOULD WEAR FULL FACE, SELF CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. NOT CONSIDERED A FIRE HAZARD.

**Unusual Fire and Explosion:**

DUST CAN BE AN EXPLOSION HAZARD. PREVENT BUILDUP OF DUST ON WALLS, FLOORS, AND EQUIPMENT. TOXIC FUMES MAY BE RELEASED.

## VI. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:**

IN CASE OF SPILLS: CONTAIN AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. SWEEP, SHOVEL, OR PICK UP AND RETURN TO DRY, CLEAN CONTAINER. FLUSH SPILL AREA WITH WATER.

## VII. Handling and Storage:

**Precautions to be Taken:**

KEEP AWAY FROM WATER OR ACID. LOOSEN CLOSURES CAREFULLY. ATTENTION: THIS CONTAINER HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINER CONTAIN PRODUCT RESIDUES (VAPOR OR LIQUID), ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. STORE AWAY FROM OXIDIZERS. KEEP OUT OF REACH OF CHILDREN.

**Other Precautions:**

WEAR PROTECTIVE EQUIPMENT WHEN HANDLING. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. DO NOT SWALLOW.

# MSDS - Material Safety Data Sheet

**Product Name:** *PH Minus (SPA)*

**MSDS No.:** 039935

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

ADEQUATE VENTILATION IS REQUIRED TO MINIMIZE EXPOSURE OR TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS. LOCAL MECHANICAL VENTILATION MAY BE REQUIRED.

### Personal Protective Equipment:

EYES: SAFETY GLASSES WITH SIDE SHIELD CHEMICAL GOGGLES. ALWAYS WEAR EYE PROTECTION WHEN WORKING WITH CHEMICALS. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

SKIN: CLEAN BODY COVERING CLOTHING, IMPERVIOUS GLOVES

INHALATION: IF EXPOSURE LIMITS ARE EXCEEDED, OR IF EXPOSURE MAY OCCUR, USE A NIOSH/MSHA RESPIRATOR APPROVED FOR YOUR CONDITIONS OF EXPOSURE. REFER TO THE MOST RECENT NIOSH PUBLICATIONS CONCERNING CHEMICAL HAZARDS, OR CONSULT YOUR SAFETY EQUIPMENT SUPPLIER. RESPIRATORY PROTECTION PROGRAMS MUST BE IN COMPLIANCE WITH OSHA REQUIREMENTS IN 29 CFR 1910.134. FOR EMERGENCIES, A NIOSH/MSHA APPROVED POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE READILY AVAILABLE.

## IX. Physical and Chemical Properties:

**Boiling Point:** NI **Melting Point:** NI **Evaporation Rate:** NI

**Vapor Pressure (mm Hg.):** NI **Vapor Density (AIR = 1):** NI

**Solubility In Water:** 100%

**Appearance and Odor:** SOLID - POWDER, CRYSTAL, FLAKE, GRA

**Other Information:**

## X. Stability and Reactivity:

### Stability:

STABLE

### Incompatibility (Materials to Avoid):

BLEACHING AGENTS (OXIDIZERS), INORGANIC ACIDS, INORGANIC BASES. AVOID CONTACT WITH BLEACHING AGENTS AND OXIDIZERS WHICH INCLUDE CHLORINE, OXYGEN, PERMANGANATES, PERCHLORATES, PERCARBONATES, PEROXIDES, CHROMATES, HYPOCHLORITES, NITRIC ACID, AND SULFURIC ACID.

### Decomposition/By Products:

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF SULFUR

### Hazardous Polymerization:

WILL NOT OCCUR

## XI. Toxicological Information:

NDA

## XII. Ecological Information:

NDA

## XIII. Disposal Considerations:

# ***MSDS - Material Safety Data Sheet***

***Product Name: PH Minus (SPA)***

***MSDS No.: 039935***

MATERIAL THAN CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT. DISPOSE OF MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL OR STATE.

## ***XIV. Transport Information:***

## ***XV. Regulatory Information:***

NDA

## ***XVI. Other Information:***

NI

SAFETY SHOWER, EYE WASH FOUNTAIN, AND WASHING FACILITIES SHOULD BE READILY AVAILABLE.